(11) **EP 1 225 448 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **28.08.2002 Bulletin 2002/35**

(51) Int Cl.⁷: **B01L 11/00**, G01N 33/487, B01L 9/00

(43) Date of publication A2: **24.07.2002 Bulletin 2002/30**

(21) Application number: 02076201.9

(22) Date of filing: 11.02.1997

(84) Designated Contracting States:

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC

NL PT SE

(30) Priority: 13.02.1996 US 600449

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 97905915.1 / 0 880 407

(71) Applicant: Inverness Medical Technology, Inc. Waltham, MA 02154 (US)

(72) Inventors:

McAleer, Jerome F.
 Wantage, Oxfordshire OX12 0NR (GB)

 Moerman, Piet H. C. 1980 Zemst (BE)

• Siu, Ta Alhambra, CA 9180 (US)

 (74) Representative: Mercer, Christopher Paul et al Carpmaels & Ransford
 43, Bloomsbury Square
 London WC1A 2RA (GB)

(54) Improved glucose monitor and test strip containers for use in same

(57) A test meter of the type which receives a disposable test strip and a sample of bodily fluid from a patient and performs an electrochemical analysis of the amount of an analyte such as glucose in the sample includes a receptacle (7) for receiving a container (10) in which disposable test strips are provided, and a mechanism for reading information about the disposable test strips that is affixed to the container. For example, cali-

bration values can be applied to the container in the form of a machine readable bar-code, a magnetic stripe, a memory chip or as a resonant wire loop. By automatically obtaining calibration values from the container in which the strips are provided, the chances of using the wrong calibration information are greatly reduced. The container may also contain information readable by meter including the expiration date, and the number of test strips in the container.

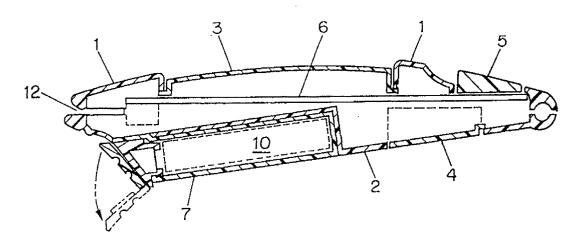


FIG. 1



EUROPEAN SEARCH REPORT

Application Number EP 02 07 6201

Category	Citation of document with indication of relevant passages	Citation of document with indication, where appropriate, of relevant passages			
X	US 5 489 414 A (SCHREIBE 6 February 1996 (1996-02 * column 2, line 15 - 1 * column 4, line 58 - 1 * column 4, line 65 - co	2-06) ine 26 * ine 60 *	1-4	B01L11/00 G01N33/487 B01L9/00	
Υ	US 5 277 870 A (FULLER) 11 January 1994 (1994-0) * column 1, line 29 - 1; * column 1, line 49 - 1; * column 1, line 63 - co	ine 33 * ine 53 *	1		
Y	US 4 303 887 A (HILL JER 1 December 1981 (1981-12 * page 1, line 58 - page * column 12, line 25 - 1	2-01) e 2, line 20 *	1		
A	EP 0 640 393 A (BOEHRING 1 March 1995 (1995-03-01		1-5		
Х	* column 4, line 23 - li		12	TECHNICAL FIELDS	
Α	US 4 852 025 A (HERPICHE		1,5	TECHNICAL FIELDS SEARCHED (Int.CI.7)	
	25 July 1989 (1989-07-25 * column 2, line 7 - lin * column 3, line 50 - lin * column 12, line 25 - line 25	ne 47 * ine 60 *		B01L	
A :	WO 94 10558 A (ENVIROMED URI (GB); HIGGINS IRVING 11 May 1994 (1994-05-11) * page 1, line 1 - line * page 2, paragraph 4 * * page 4, paragraph 2 - * page 6 *	G JOHN (GB); COS)) 6 *	1		
	The present search report has been dr.				
Place of search THE HAGUE		Date of completion of the search 2 July 2002	Нос	Examiner Cquet, A	
X : part Y : part doce	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another unner of the same category innological background	T : theory or principle E : earlier patent doc after the filing dat D : document cited in L : document cited fo	underlying the ument, but puble to the application or other reasons	invention ished on, or	



EUROPEAN SEARCH REPORT

Application Number EP 02 07 6201

	Citation of document with it	2,120,20,20,00			
Category	of relevant pass	ndication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
A	CH 677 149 A (DISET 15 April 1991 (1991		8-10,17, 20		
A	* column 4, line 15 * column 4, line 49	- line 19 *	1,12		
X	EP 0 567 067 A (FUJ 27 October 1993 (19 * column 1, line 1 * column 2, line 15 * column 9, line 1 * column 14, line 4 * column 22, line 8	- line 13 * - line 20 * - line 40 * 1 - line 52 *	12-16, 18,20		
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)	
	The present search report has	Date of completion of the search		Examiner	
***************************************	THE HAGUE	2 July 2002	Hoc	quet, A	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure		E : earlier paten after the filin her D : document ci L : document cit	T: theory or principle underlying the invention E: earlier patent document, but published on, after the filing date D: document cited in the application L: document cited for other reasons 8: member of the same patent family, correst		

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 07 6201

This annex lists the patent family members relating to the patent documents cited in the above—mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-07-2002

	Patent docume cited in search re		Publication date		Patent fam member(Publication date
US	5489414	A	06-02-1996	DE	4313252	A1	27-10-1994
		**	00 02 2000	DE	4328816		02-03-199!
				AT	186232		15-11-1999
				DE	59408870		09-12-1999
				DE	59410066		11-04-2002
				DK	622119		
				EP			10-04-2000
					1130383		05-09-2001
				EP	0622119		02-11-1994
				EP	0622626		02-11-1994
				ES	2139684	T3	16-02-2000
				JP	2594020	B2	26-03-1997
				JP		A	04-11-1994
				JP	2768899		25-06-1998
				JP	6313765		08-11-1994
				US	5645798		08-07-1997
				US	5720924		24-02-1998
		-		US	5863800	Α	26-01-1999
US	5277870	A	11-01-1994	US	5174963	A	29-12-1992
US	4303887	Α	01-12-1981	CA	1153580		13-09-1983
				CA	1152772	A2	30-08-1983
				DE.	3040233	A1	17-09-198
				FR	2468945	A1	08-05-1983
				FR	2476350	A1	21-08-1983
				GB	2069702	A .B	26-08-1983
				GB	2077927		23-12-198
				JP	56079242		29-06-198
EP.	0640393	Α	01-03-1995	DE	4328815	A1	02-03-199
				ΑT	180419	T	15-06-1999
				DE	59408304	D1	01-07-1999
				ΕP	0640393	A1	01-03-199!
				JP	2610111		14-05-199
				ĴР	7069360		14-03-199!
				US	5505308		09-04-1996
us	4852025	Α	25-07-1989	DE	3617161	A1	26-11-198
		*		AT	50646		15-03-199
				DE	3761786		05-04-1990
				EP	0247439		02-12-1987
				HK	46393		21-05-1993
				JP	1808984		10-12-199
				JP	5016745		05-03-199
				JP	62285040		10-12-198
				SG	17093		16-04-199
				Ju	1/033	u	10-04-133

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 07 6201

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-07-2002

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9410558	Α	11-05-1994	AU	5374594		24-05-1994
			ΕP	0667956	A1	23-08-1995
			WO	9410558	A1	11-05-1994
CH 677149	Α	15-04-1991	CH	677149	A5	15-04-1991
			WO	9100998	A1	24-01-1991
			DE	59005357	D1	19-05-1994
			EP	0436679	A1	17-07-1991
			US	5695623	Α	09-12-1997
EP 0567067	Α	27-10-1993	JP	2903273	B2	07-06-1999
			JP	6213903	Α	05-08-1994
			DE	69319272	D1	30-07-1998
			DE	69319272	T2	05-11-1998
			EP	0567067	A1	27-10-1993
			US	5538688		23-07-1996

FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82